VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY (VSSUT), ODISHA Odd Mid Semester Examination for Academic Session 2024-25

COURSE NAME: BTech

SEMESTER:3rd

BRANCH NAME: EE, EEE, CSE, IT, ETC SUBJECT NAME: Engineering Economics

es

FULL MARKS: 30 TIME: 9			0 Minute	
		Answer All Questions. The figures in the right hand margin indicate Marks. Symbols carry usual meaning.		
Q1.		Answer all Questions.	$[2 \times 3]$	
	a) b)	What factors can cause a shift in the supply curve? What is Giffen paradox and how is it related to law of demand?	- CO1 - CO2	
	c)	State the two conditions for consumer's equilibrium	- CO3	
Q2.			[8]	
	a)	Discuss the relationship between price elasticity of demand and total expenditure.	- CO1	
	, ,,,	OR	G0.1	
	b)	Evaluate the importance of including the government and foreign sectors in the circular flow of income models. How does the transition from a two-sector to a four-sector model better capture the complexities of a modern economy?	- CO1	
Q3.			[8]	
	a)	Explain the law of diminishing marginal utility using a suitable example and state its role in consumer decision-making.	- CO2	
		OR		
	b)	Explain the steps to construct a Neumann-Morgenstern (NM) utility index. Create NM utility index for a risky situation with a suitable example	- CO2	
Q4.			[8]	
	a)	How do indifference curve reflects consumer preferences? How do changes in income or price impact the consumer equilibrium? OR	- CO3	
	b)		- CO3	